

### PATENT COOPERATION TREATY

From the

ERNATIONAL SEARCHING AUTHORITY  D:		PCT	
220	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
		(PCT Rule 43 <i>bis</i> .1) 3_ 」AN 260 <b>/</b>	
X16/25	Date of mailing (day/month/year)	see form PCT/ISA/210 (second sheet)	
	FOR FURTHER ACTION See paragraph 2 below		
International filing date (d 18.02.2005	ay/month/year)	Priority date (day/month/year) 03.03.2004	
,		D209/12, C07D209/14, A61K31/404,	
	International filing date (data) 18.02.2005	Date of mailing (day/month/year)  FOR FURTHEI See paragraph 2 b.  International filing date (day/month/year)	

Basis of the opinion

Box No. II Priority ☑ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited

☐ Box No. VII Certain defects in the international application

Box No. VIII Certain observations on the international application

#### 2. **FURTHER ACTION**

Box No. Ⅰ

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220. 3.

Name and mailing address of the ISA:



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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/005240

	Box I	lo. I Basis of the opinion			
1.	. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
	la	his opinion has been established on the basis of a translation from the original language into the following inguage—, which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).			
2.	With regard to any <b>nucleotide</b> and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:				
		a sequence listing			
		table(s) related to the sequence listing			
	b. format of material:				
		in written format			
		in computer readable form			
	c. time of filing/furnishing:				
		contained in the international application as filed.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority for the purposes of search.			
3.	h C	a addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as ppropriate, were furnished.			
4.	4. Additional comments:				

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/005240

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:						
	the entire international application,					
$\boxtimes$	claims Nos. 20-25 (wit respect to industrial applicability)					
because:						
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):					
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
$\boxtimes$	no international search report has been established for the whole application or for said claims Nos. 20-25					
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:					
	the written form		has not been furnished			
			does not comply with the standard			
	the computer readable form		has not been furnished			
			does not comply with the standard			
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.					
	See separate sheet for further	detai	ils			

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-25

No: Claims

Inventive step (IS)

Yes: Claims

1-25

Claims No:

Industrial applicability (IA)

Yes: Claims

1-19

No: Claims

2. Citations and explanations

see separate sheet

#### Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10) and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

#### Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Claims 20-25 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(l) PCT).

#### Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: WO 03/078394 A (ELI LILLY AND COMPANY; GRESE, TIMOTHY, ALAN; JADHAV, PRABHAKAR, KONDAJ) 25 September 2003 (2003-09-25)

#### V.1. Novelty:

The compounds according to the present formula I have not been disclosed in the available prior art. Therefore, the subject-matter of claims 1-25 is novel (Article 33(2) PCT).

#### V.2. Inventive Step:

Document D1, which is considered to represent the most relevant state of the art, discloses (cf. see example 1, claim 1) steroid hormone nuclear receptor modulators from which the subject-matter of claim 1 mainly differs in that the indole ring is not substituted by an oxo-group and in that the ring on the 3-position of the indole ring is not phenyl but a fused ring system.

The problem to be solved by the present invention may therefore be regarded as the provision of further steroid hormone nuclear receptor modulators for the treatment of heart

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2005/005240

failure, inflammation, rheumatoid arthritis, hypertension, asthma, COPD, atherosclerosis.

From the teaching of the prior art, the skilled person had no incentive to undertake the several modifications mentioned above with respect to the compounds known from D1, when looking for further hormone nuclear receptor modulators.

Therefore, the subject-matter of claims 1-25 is considered as involving an inventive step (Article 33(3) PCT).

#### V.3. Industrial Applicability:

The present application relates to hormone nuclear receptor modulators for the treatment of heart failure, inflammation, rheumatoid arthritis, hypertension, asthma, COPD, atherosclerosis and the subject matter of claims 1-19 is therefore considered as industrially applicable (Article 33(4) PCT).

For the assessment of the present claims 20-25 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.